

Abstract.

A single loudspeaker has a substantially single-point source of sound energy derived from multiple drivers to provide a surround sound effect. The surround sound is effective for listeners close to the single loudspeaker or substantially distant within a room. The physical size of the loudspeaker is convenient for placement on top of a computer monitor or television set. The single loudspeaker produces a dynamically variable energy gradient between the listener's right and left ears and the perception of sound emanating from changing locations in the space surrounding the loudspeaker. The placement of a plurality of these loudspeakers surrounding the expected listener location allows the coverage of larger spaces with separate dynamically variable energy gradient pairs.